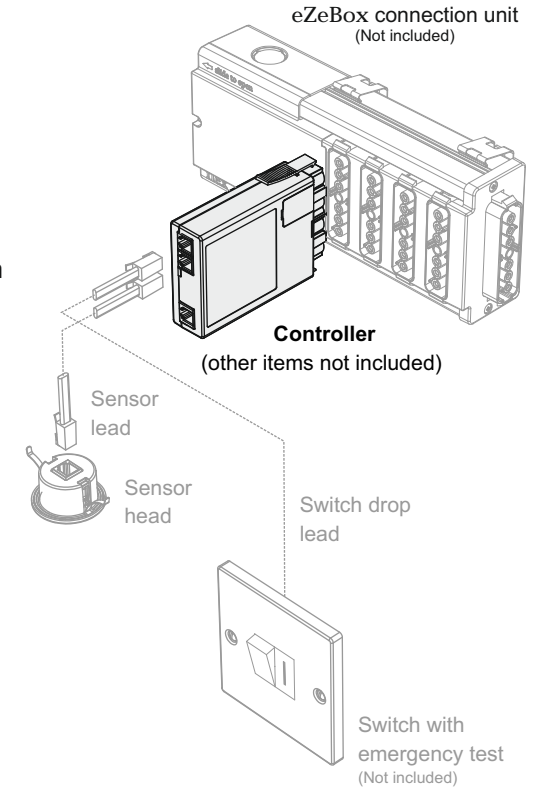


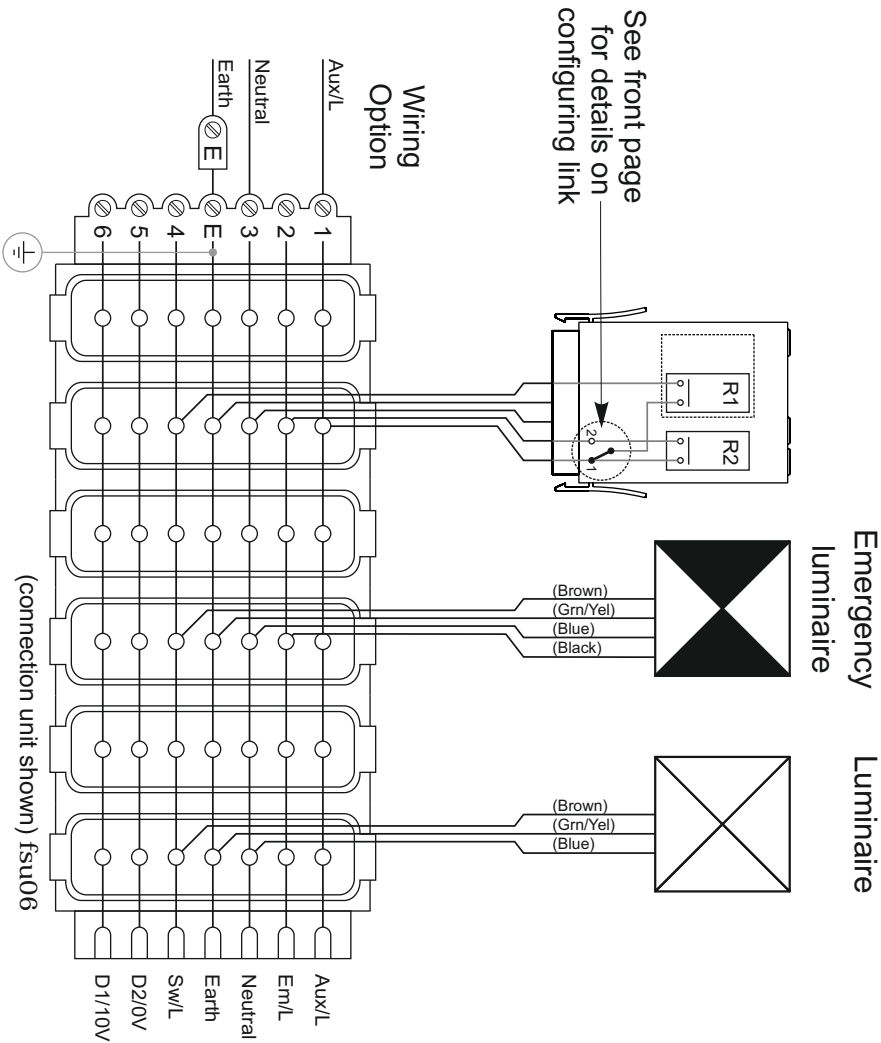
fnc2000/E - Controllers

Includes Integral Emergency Test

The fnc2000/E is a control device which plugs directly into any of the eZeBox range of connection units or a 7-pole single socket outlet. Working with a switch or together with a sensor head, the device will control the connected mains rated luminaires ON/OFF and will be able to carry out an emergency test. The exact operation will largely depend on which of the input devices are connected. Note that any connected switch or sensor head will be operating at ELV.

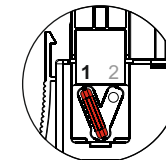
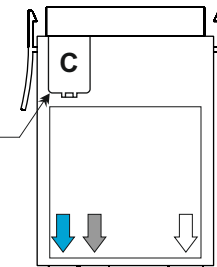


Circuit diagram for fnc2000/E



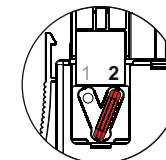
Configuring the fnc2000/E controller and wiring the connection unit

Prise open lid 'C' using a screw driver. Position link as required.



Link in position 1

Lights can remain ON during an emergency test. Wire connection unit as shown in the circuit diagram.



Link in position 2

Lights will switch OFF during an emergency test. Wire connection unit as shown in the circuit diagram.

Rating

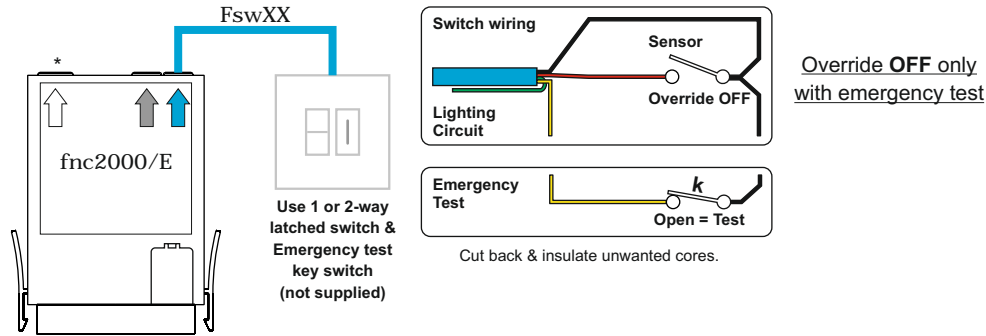
Supply Voltage : 230V~ 50Hz

Load

Fluorescent & Incandescent Lighting : 6A
Compact Fluorescent Lighting : 3A

Using an fnc2000/E controller with a switch only

* Refer to leaflet *Networking Sensors*, leaflet number 17/245.



Operation:

Switch control:

Override OFF - turns the lights OFF.

Emergency Test:

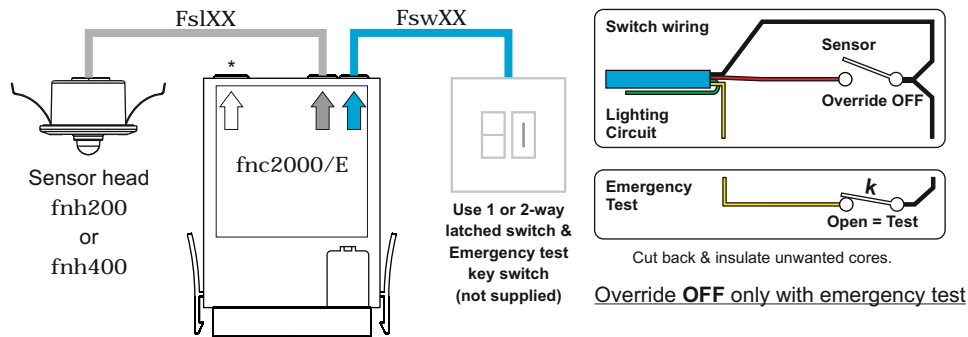
Operate key switch to carry out an emergency test.

Note:

If your room requires 2-way switching, a special 'Y' connector is available to enable two switch drop leads to be connected. (Part No. *fsy/2e/2* - OFF control from 2 x 2-way switches)

Using an fnc2000/E controller with a sensor head and override switch

* Refer to leaflet *Networking Sensors*, leaflet number 17/245.



Note:

For safe operation it is advisable that occupancy coverage extends to cover the wall switch. In this way, operating the switch to 'SENSOR' position ensures the lights turn ON.

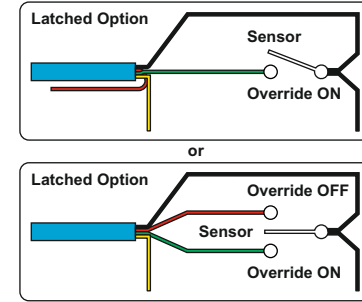
Note:

If your room requires 2-way switching, a special 'Y' connector is available to enable two switch drop leads to be connected. (Part No. *fsy/2e/2* - OFF control from 2 x 2-way switches)

Other switching options incorporating override ON

Note:

You may not be able to claim enhanced capital allowances under the Carbon Trust scheme if you incorporate local 'override ON' switches in your occupancy sensor scheme.



Emergency test

For an emergency test circuit, wire the yellow and black wire in the key switch as shown on the previous diagrams.

Operation:

Switch control:

Override OFF - turns the lights OFF

Emergency Test:

Operate key switch to carry out an emergency test.

If the sensor head is of type fnh200 or fnh400

Occupancy detection: Provided the switch drop is in the sensor position. The lights will switch ON whenever there is occupancy detected by the sensor head. When occupancy is no longer detected, lights will switch OFF after a pre-selected *time-out* period (default 20 minutes).

If the sensor head is of type fnh400

Occupancy detection: Provided the wall switch is in the 'Sensor' position, then, notwithstanding 'daylight dependency' (see below) lights will switch ON whenever there is occupancy detected by the sensor head. When occupancy is no longer detected, lights will switch OFF after a pre-selected time-out period

Daylight dependency: If enabled, during periods of occupancy the lights will switch OFF if the ambient light detected under the sensor head exceeds the *set level*.

Note: Alternative operational options not necessarily shown above are available using the *frc/set* setup remote control.

Full instructions for setting up the sensor are supplied with the sensor head and the *frc/set* remote control - both ordered separately.